



1/For

TRANSMITTAL FORM

(To be used for all correspondence
after initial filing)

Application Number	10/620,726
Filing Date	July 15, 2003
First Named Inventor	Charles L. Gray, Jr.
Art Unit	3618
Examiner Name	Bridget D. Avery
Attorney Docket No.	310121.404

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Declaration	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input checked="" type="checkbox"/> Information Disclosure Statement and Transmittal	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	_____
<input type="checkbox"/> Cited References	<input type="checkbox"/> Terminal Disclaimer	_____
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	_____
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s) _____	_____
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	_____

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

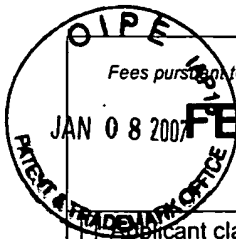
Firm Name	Seed Intellectual Property Law Group PLLC	Customer Number	34212
Signature			
Printed Name	Lorraine Linford		
Date	January 2, 2007	Reg. No.	35,939

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature		
Typed or printed name	Colleen Menth	Date: January 2, 2007

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2006

Complete if Known

Application Number	10/620,726
Filing Date	July 15, 2003
First Named Inventor	Charles L. Gray, Jr.
Examiner Name	Bridget D. Avery
Art Unit	3618
Attorney Docket No.	310121.404

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180)

METHOD OF PAYMENT (check all that apply)

- ☒ Check ☐ Credit Card ☐ Money Order ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 19-1090 Deposit Account Name: Seed IP Law Group PLLC
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
- ☐ Charge any additional fee(s) or underpayments ☒ Charge any underpayments or credit any overpayments of fee(s) under 37 CFR 1.16 and 1.17

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FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	<u>Small Entity</u>	Fee (\$)	<u>Small Entity</u>	Fee (\$)	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	<u>Small Entity</u>
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
_____ -20 or HP = _____	X	_____	_____	Fee (\$)
				Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ -3 or HP = _____	X	_____	_____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)) the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ -100 = _____	/50 = _____	_____ (round up to a whole number)	x _____	_____

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	_____
Other (e.g., late filing surcharge): _____	_____
Information Disclosure Statement	180

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	35,939	Telephone	206-622-4900
Name (Print/Type)	Lorraine Linford	Date	January 2, 2007		

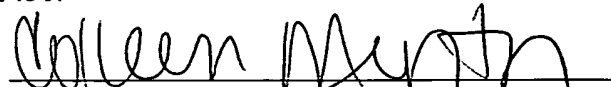


PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 2, 2007

Date


Colleen Menth

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Charles L. Gray, Jr.
Application No. : 10/620,726
Filed : July 15, 2003
For : OPPOSING PUMP/MOTORS

Examiner : Bridget D. Avery
Art Unit : 3618
Docket No. : 310121.404
Date : January 2, 2007

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicant wishes to make known to the U.S. Patent and Trademark Office the references set forth on the attached Information Disclosure Statement. Copies of cited U.S. patents and published patent applications are not required and accordingly have not been provided. As to any reference cited, applicant does not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark

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180.00 OP

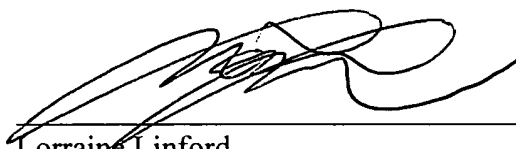
Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

A handwritten signature in black ink, appearing to read 'Lorraine Linford', is written over a horizontal line.

Lorraine Linford
Registration No. 35,939

LXL:cm

Enclosures:

Check

Information Disclosure Statement

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

310121.404

APPLICATION NO.

10/620,726

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Charles L. Gray, Jr.

FILING DATE

July 15, 2003

GROUP ART UNIT

3618

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,625,204	04/29/97	Kao et al.	257	190	
	AB	5,634,526	06/03/97	Johnson	180	305	
	AC	5,752,417	05/19/98	Okada et al.	74	606 R	
	AD	6,151,990	11/28/00	Johnson et al.	74	606 R	
	AE	6,152,846	11/28/00	Schreier et al.	475	83	
	AF	6,413,181	07/02/02	Okada	475	83	
	AG	6,719,080	04/13/04	Gray, Jr.	180	165	
	AH	2002/0173398	11/21/02	Arnold et al.	475	72	
	AI	2003/0192402	10/16/03	Arnold et al.	74	730.1	
	AJ	2004/0058770	03/25/04	Ishii	475	72	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK					
	AL					
	AM					
	AN					
	AO					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AP		
	AQ		
	AR		

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	310121.404	10/620,726
	APPLICANT Charles L. Gray, Jr.	
	FILING DATE	GROUP ART UNIT
	July 15, 2003	3618

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2004/0149506	08/05/04	Sakikawa et al.	180	242	
	AB	2004/0172939	09/09/04	Abend et al.	60	487	
	AC	2004/0251067	12/16/04	Gray, Jr. et al.	180	165	
	AD	2005/0119084	06/02/05	Ishii et al.	475	83	
	AE	2005/0176549	08/11/05	Okada	475	221	
	AF	2005/0217262	10/06/05	Takada et al.	60	468	
	AG	2006/0021813	02/02/06	Gray, Jr.	180	165	
	AH	2006/0026957	02/09/06	Hauser et al.	60	487	
	AI	2006/0070376	04/06/06	Okada	60	433	
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK					
	AL					
	AM					
	AN					
	AO					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AP		
	AQ		
	AR		

EXAMINER	DATE CONSIDERED
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